Sabri Arik

List of Publications by Year
in descending order

99 papers	4,955 citations	100601 38 h-index	100535 70 g-index
102 all docs	102 docs citations	102 times ranked	1472 citing authors

#	Article	IF	Citations
1	Novel criteria for robust stability of Cohen-Grossberg neural networks with multiple time delays. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 3189.	0.6	6
2	Finite-time and sampled-data synchronization of complex dynamical networks subject to average dwell-time switching signal. Neural Networks, 2022, 149, 137-145.	3.3	28
3	Leader-Following Consensus of Non-linear Multi-agent Systems with Interval Time-Varying Delay via Impulsive Control. Neural Processing Letters, 2021, 53, 69-83.	2.0	16
4	Finite-time Hâˆž synchronization of semi-Markov jump Lurâ€™e systems. Modern Physics Letters B, 2021, 35, 2150168.	1.0	6
5	A Novel Lyapunov functional with application to stability analysis of neutral systems with nonlinear disturbances. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 1415-1428.	0.6	2
6	Finite Time Stability Analysis of Fractional-Order Complex-Valued Memristive Neural Networks with Proportional Delays. Neural Processing Letters, 2020, 51, 407-426.	2.0	42
7	New Criteria for Stability of Neutral-Type Neural Networks With Multiple Time Delays. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1504-1513.	7.2	80
8	Controller design for finite-time and fixed-time stabilization of fractional-order memristive complex-valued BAM neural networks with uncertain parameters and time-varying delays. Neural Networks, 2020, 130, 60-74.	3.3	76
9	Resilient fault-tolerant anti-synchronization for stochastic delayed reactionâ€“diffusion neural networks with semi-Markov jump parameters. Neural Networks, 2020, 125, 194-204.	3.3	69
10	A New Lyapunov Analysis of Robust Stability of Neural Networks withÂDiscrete Time Delays. Proceedings of the International Neural Networks Society, 2020, , 523-534.	0.6	0
11	Editorial: Hybrid Intelligent Algorithms Based Learning, Optimization, and Application to Autonomic Control Systems. Frontiers in Neuroscience, 2019, 13, 1090.	1.4	0
12	A New Criterion for Stability of Neutral-Type Neural Networks with Discrete Delays. , 2019, , .		1
13	Global asymptotic synchronization of impulsive fractional-order complex-valued memristor-based neural networks with time varying delays. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104869.	1.7	42
14	Global stability analysis of fractional-order fuzzy BAM neural networks with time delay and impulsive effects. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104853.	1.7	42
15	Improved result on state estimation for complex dynamical networks with time varying delays and stochastic sampling via sampled-data control. Neural Networks, 2019, 114, 28-37.	3.3	30
16	A modified Lyapunov functional with application to stability of neutral-type neural networks with time delays. Journal of the Franklin Institute, 2019, 356, 276-291.	1.9	60
17	SI: ICONIP 2015: Neural networks: theory, design and applications. Neural Computing and Applications, 2018, 29, 339-340.	3.2	0
18	Robust synchronization of uncertain Markovian jump complex dynamical networks with time-varying delays and reactionâ€“diffusion terms via sampled-data control. Journal of the Franklin Institute, 2018, 355, 1192-1216.	1.9	37

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19	A Novel Criterion for Global Asymptotic Stability of Neutral-Type Neural Networks with Discrete Time Delays. Lecture Notes in Computer Science, 2018, , 353-360.	1.0	2
20	A New Robust Stability Result for Delayed Neural Networks. Lecture Notes in Computer Science, 2018, , 343-352.	1.0	0
21	Sampled-data filtering of Takagiâ€“Sugeno fuzzy neural networks with interval time-varying delays. Fuzzy Sets and Systems, 2017, 316, 69-81.	1.6	70
22	Event-triggered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></m for delayed neural networks via sampled-data. Neural Networks, 2017, 91, 11-21.	3.3	29
23	MetrIntMeas a novel metric for measuring the intelligence of a swarm of cooperating agents. Cognitive Systems Research, 2017, 45, 17-29.	1.9	12
24	A Novel Osmosis-Inspired Algorithm for Multiobjective Optimization. Lecture Notes in Computer Science, 2017, , 80-88.	1.0	1
25	Decentralized event-triggered synchronization of uncertain Markovian jumping neutral-type neural networks with mixed delays. Neural Networks, 2017, 86, 32-41.	3.3	66
26	OutIntSys - A Novel Method for the Detection of the Most Intelligent Cooperative Multiagent Systems. Lecture Notes in Computer Science, 2017, , 31-40.	1.0	2
27	Finite-time H âˆž state estimation for switched neural networks with time-varying delays. Neurocomputing, 2016, 207, 580-589.	3.5	23
28	Passivity analysis of stochastic neural networks with leakage delay and Markovian jumping parameters. Neurocomputing, 2016, 218, 139-145.	3.5	20
29	Dynamical analysis of uncertain neural networks with multiple time delays. International Journal of Systems Science, 2016, 47, 730-739.	3.7	22
30	Novel<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0001.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mo>âˆž</mml:mo></mml:mrow></ estimation of static neural networks with interval time-varying delays via augmented Lyapunovâ€“Krasovskii functional. Neurocomputing, 2016, 171, 949-954.	3.5	33
31	A Novel Condition for Robust Stability of Delayed Neural Networks. Lecture Notes in Computer Science, 2015, , 273-280.	1.0	0
32	Delay-dependent stability criteria of uncertain Markovian jump neural networks with discrete interval and distributed time-varying delays. Neurocomputing, 2015, 158, 167-173.	3.5	80
33	Computational Neuroscience. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-2.	0.7	0
34	An improved robust stability result for uncertain neural networks with multiple time delays. Neural Networks, 2014, 54, 1-10.	3.3	82
35	New Criteria for Global Robust Stability of Delayed Neural Networks With Norm-Bounded Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1045-1052.	7.2	60
36	An analysis of stability of neutral-type neural systems with constant time delays. Journal of the Franklin Institute, 2014, 351, 4949-4959.	1.9	42

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37	A new condition for robust stability of uncertain neural networks with time delays. Neurocomputing, 2014, 128, 476-482.	3.5	24
38	New global robust stability condition for uncertain neural networks with time delays. Neurocomputing, 2014, 142, 267-274.	3.5	19
39	Further analysis of stability of uncertain neural networks with multiple time delays. Advances in Difference Equations, 2014, 2014, .	3.5	7
40	A new robust stability criterion for dynamical neural networks with multiple time delays. Neurocomputing, 2013, 99, 290-297.	3.5	42
41	An analysis of stability of uncertain neural networks with multiple time delays. Journal of the Franklin Institute, 2013, 350, 1808-1826.	1.9	19
42	A new upper bound for the norm of interval matrices with application to robust stability analysis of delayed neural networks. Neural Networks, 2013, 44, 64-71.	3.3	65
43	An Analysis of Stability of a Class of Neutral-Type Neural Networks with Discrete Time Delays. Abstract and Applied Analysis, 2013, 2013, 1-9.	0.3	6
44	Analysis of Nonlinear Dynamics of Neural Networks. Abstract and Applied Analysis, 2013, 2013, 1-1.	0.3	1
45	New robust stability results for bidirectional associative memory neural networks with multiple time delays. Applied Mathematics and Computation, 2012, 218, 11472-11482.	1.4	28
46	Equilibrium and stability analysis of delayed neural networks under parameter uncertainties. Applied Mathematics and Computation, 2012, 218, 6716-6726.	1.4	49
47	Robust stability analysis of a class of neural networks with discrete time delays. Neural Networks, 2012, 29-30, 52-59.	3.3	74
48	Further analysis of global robust stability of neural networks with multiple time delays. Journal of the Franklin Institute, 2012, 349, 813-825.	1.9	40
49	Implementation of a Moving Target Tracking Algorithm Using Eye-RIS Vision System on a Mobile Robot. Journal of Signal Processing Systems, 2011, 64, 447-455.	1.4	2
50	On-chip template training system and image processing applications using iterative annealing on ACE16k chip. Expert Systems With Applications, 2011, 38, 12900-12905.	4.4	5
51	Implementation of a cellular neural networkâ€“based segmentation algorithm on the bio-inspired vision system. Journal of Electronic Imaging, 2011, 20, 013004.	0.5	0
52	Implementation of on-chip training system for cellular neural networks using iterative annealing optimisation method. International Journal of Reasoning-based Intelligent Systems, 2010, 2, 251.	0.1	0
53	New results for robust stability of dynamical neural networks with discrete time delays. Expert Systems With Applications, 2010, 37, 5925-5930.	4.4	75
54	Global asymptotic stability of stochastic fuzzy cellular neural networks with multiple time-varying delays. Expert Systems With Applications, 2010, 37, 7737-7744.	4.4	67

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55	Removing an Object from Video Sequence Algorithm Implemented on Analog CNN and DSP Microprocessors. Lecture Notes in Computer Science, 2010, , 575-580.	1.0	0
56	New sufficient criteria for global robust stability of neural networks with multiple time delays. , 2009, , .		0
57	A new sufficient condition for global robust stability of bidirectional associative memory neural networks with multiple time delays. Nonlinear Analysis: Real World Applications, 2009, 10, 3312-3320.	0.9	29
58	Novel results for global robust stability of delayed neural networks. Chaos, Solitons and Fractals, 2009, 39, 1604-1614.	2.5	26
59	New results for global robust stability of bidirectional associative memory neural networks with multiple time delays. Chaos, Solitons and Fractals, 2009, 41, 2106-2114.	2.5	28
60	New results for global stability of a class of neutral-type neural systems with time delays. Applied Mathematics and Computation, 2009, 210, 564-570.	1.4	84
61	Edge detection algorithms implemented on Bi-i cellular vision system. , 2009, , .		1
62	Implementation of a new segmentation algorithm using the Eye-RIS CMOS vision system. , 2009, , .		1
63	New results for global stability of Cohenâ€“Grossberg neural networks with multiple time delays. Neurocomputing, 2008, 71, 3053-3063.	3.5	23
64	New Results for Global Robust Stability of Neural Networks with Time Delays. , 2007, , .		0
65	Global robust stability of bidirectional associative memory neural networks. , 2007, , .		0
66	Global Robust Stability of Bidirectional Associative Memory Neural Networks With Multiple Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1375-1381.	5.5	49
67	Global Convergence Analysis of Dynamical Neural Networks with Multiple Time Delays. , 2007, , .		0
68	Global robust stability analysis of neural networks with multiple time delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 166-176.	0.1	117
69	On the Existence of Stable Equilibrium Points in Delayed Cellular Neural Networks. , 2006, , .		0
70	Global asymptotic stability of hybrid bidirectional associative memory neural networks with time delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 85-91.	0.9	36
71	An analysis of global robust stability of neural networks with discrete time delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 445-450.	0.9	22
72	Global Convergence Analysis of Delayed Bidirectional Associative Memory Neural Networks. , 2006, , .		0

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73	New Results for Global Stability of Cohen-Grossberg Neural Networks with Discrete Time Delays. Lecture Notes in Computer Science, 2006, , 570-579.	1.0	1
74	Global stability analysis of Cohenâ€“Grossberg neural networks with time varying delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 341, 410-421.	0.9	154
75	Global asymptotic stability analysis of bidirectional associative memory neural networks with constant time delays. Neurocomputing, 2005, 68, 161-176.	3.5	108
76	Global robust stability analysis of neural networks with discrete time delays. Chaos, Solitons and Fractals, 2005, 26, 1407-1414.	2.5	86
77	New results for exponential stability of delayed cellular neural networks. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 154-158.	2.3	15
78	Global stability of a class of neural networks with time-varying delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 126-130.	2.3	69
79	Global stability analysis of neural networks with multiple time varying delays. IEEE Transactions on Automatic Control, 2005, 50, 1781-1785.	3.6	69
80	Global Asymptotic Stability Analysis of Bidirectional Associative Memory Neural Networks With Time Delays. IEEE Transactions on Neural Networks, 2005, 16, 580-586.	4.8	154
81	An analysis of exponential stability of delayed neural networks with time varying delays. Neural Networks, 2004, 17, 1027-1031.	3.3	246
82	New exponential stability results for delayed neural networks with time varying delays. Physica D: Nonlinear Phenomena, 2004, 191, 314-322.	1.3	72
83	On the global dissipativity of dynamical neural networks with time delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 126-132.	0.9	47
84	Global asymptotic stability of a larger class of neural networks with constant time delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 504-511.	0.9	249
85	Global robust stability of delayed neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 156-160.	0.1	164
86	ON THE EXISTENCE OF STABLE EQUILIBRIUM POINTS IN CELLULAR NEURAL NETWORKS. Journal of Circuits, Systems and Computers, 2003, 12, 461-471.	1.0	3
87	An analysis of global asymptotic stability of delayed cellular neural networks. IEEE Transactions on Neural Networks, 2002, 13, 1239-1242.	4.8	269
88	An improved global stability result for delayed cellular neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1211-1214.	0.1	188
89	A note on the global stability of dynamical neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 502-504.	0.1	17
90	A sufficient condition for absolute stability of a larger class of dynamical neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 758-760.	0.1	19

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91	On the global asymptotic stability of delayed cellular neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 571-574.	0.1	332
92	Global asymptotic stability of a class of dynamical neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 568-571.	0.1	125
93	Stability analysis of delayed neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1089-1092.	0.1	290
94	A comment on "Comments on 'Necessary and sufficient condition for absolute stability of neural networks'". IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 595-596.	0.1	35
95	Equilibrium analysis of delayed CNNs. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 168-171.	0.1	172
96	Equilibrium analysis of non-symmetric CNNs. International Journal of Circuit Theory and Applications, 1996, 24, 269-274.	1.3	46
97	Further results on the global asymptotic stability of neural networks. , 0, , .		0
98	An improved global stability result for cellular neural networks with time delay. , 0, , .		2
99	Global Exponential Stability Analysis of Delayed Cellular Neural Networks. , 0, , .		0